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DIALOG(R) File 351:DERWENT WPI
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WPI Acc No: 84-125652/198420

XRPX Acc No: N84-092960

Angular acceleration meter - has flexible element to bend and alter gap between plates and elements and uses change of capacitance as measurement of angular acceleration

Patent Assignee: MOSC POWER INST (MOPO)

Inventor: GETMAN Y U I; KAGAN I E; MASANDILOV L B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
SU 1035523	A	19830815	SU 3296047	A	19810605		198420 B

Priority Applications (No Type Date): SU 3296047 A 19810605

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
SU 1035523	A		3				

Abstract (Basic): SU 1035523 A

The device has improved measurement accuracy, achieved by introduction of two additional coaxial discs with plates, arranged uniformly around their circumferences, while the discs are firmly connected to the shaft and are insulated from it by insulating rings.

During any change of the angular velocity, flexible element (5) is bent by the inertial forces and causes a change of the gap between the corresponding plates (9) and elements (8). The capacitances between the plates and elements are changed, in proportion to the change of the angular velocity. The capacitance changes are used to alter the frequency in a measuring converter circuit, in proportion to the angular acceleration. Bul.30/15.8.83

(3pp Dwg.No.1/3)

Title Terms: ANGULAR; ACCELERATE; METER; FLEXIBLE; ELEMENT; BEND; ALTER; GAP; PLATE; ELEMENT; CHANGE; CAPACITANCE; MEASURE; ANGULAR; ACCELERATE

Derwent Class: S02

International Patent Class (Additional): G01P-015/12

File Segment: EPI

Manual Codes (EPI/S-X): S02-G03